

Converting Colors

XYZ(69.4353, 41.6050, 8.2547)

Have a look what the booklet for
XYZ(69.4353, 41.6050, 8.2547)
contains.

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Color

**XYZ(45.9812, 29.5608,
7.1532)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5E39
RGB	255, 94, 57
RGB Percent	100%, 37%, 22%
CMY	0.0000, 0.6313, 0.7765
CMYK	0.00, 0.63, 0.78, 0.00
HSL	11°, 100%, 61%
HSV	11°, 78%, 100%
XYZ	45.9812, 29.5608, 7.1532
YIQ	137.9210, 107.8330, 22.6250

Conversions

Conversions Part 2

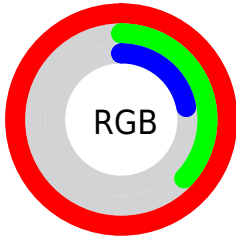
Format	Color
R_{YB}	255, 103, 57
Decimal	16735801
CIE Lab	61.27, 59.43, 52.53
CIE LCh	61, 79.321, 41.471
Yxy	29.5608, 0.5560, 0.3575
Android (android.graphics.Color)	4294925881 (0xFFFF5E39)
YUV	137.9210, -39.8941, 102.6783
Hunter-Lab	54.3698, 55.8123, 30.2584

Details

The XYZ color **45.9812, 29.5608, 7.1532** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **44.8061, 58.2274, 103.4845**, and the grayscale version is **24.2473, 25.5100, 27.7804**.

A 20% lighter version of the original color is **54.8002, 44.1342, 19.5404**, and **21.7846, 11.9933, 1.3391** is the 20% darker color. If you saturate the color by 10%, you get **43.8944, 26.1630, 4.0677**, and if you desaturate by 10%, it is **48.8834, 34.0798, 12.0846**.

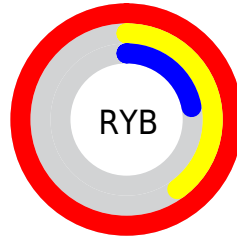
Distribution



Red (100%)

Green (37%)

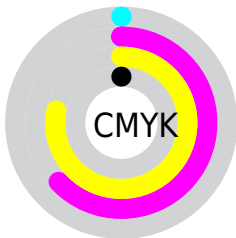
Blue (22%)



Red (100%)

Yellow (40%)

Blue (22%)

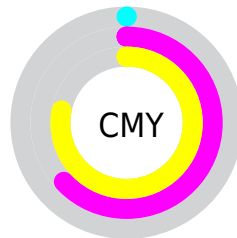


Cyan (0%)

Magenta (63%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (63%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9812, 29.5608, 7.1532 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 45.9812, 29.5608, 7.1532 by changing the saturation by 10% instead.


 45.9812, 29.5608,
7.1532


 45.9812, 29.5608,
7.1532


361.4503,
299.8518, 178.6096


 32.4355, 19.5055,
3.4782


 83.4189, 58.9669,
20.7988


 21.8515, 12.0361,
1.3437


 108.0417, 79.0865,
31.6066

 13.8639, 6.7683,
0.0972


 137.0875,
103.3296, 45.6290

 8.1071, 3.3176,
0.0000

 170.9218,
132.0806, 63.2845

 4.2159, 1.2997,
0.0000

 209.9098,
165.7239, 84.9919

 1.8250, 0.1410,
0.0000

 254.4170,

 0.5327, 0.0000,

204.6440, 111.1694

0.0000

304.8087,
249.2252, 142.2359

■ 0.0000, 0.0000,
0.0000

■ 45.9812, 29.5608,
7.1532

■ 45.9812, 29.5608,
7.1532

■ 43.8944, 26.1630,
4.0677

■ 48.8834, 34.0798,
12.0846

■ 42.5249, 23.7778,
2.5206

■ 52.6773, 39.8041,
19.0942

■ 42.2829, 23.3463,
2.2777

■ 57.4319, 46.8150,
28.3814

■ 63.2090, 55.1854,
40.1216

■ 70.0646, 64.9827,
54.4732

■ 78.0509, 76.2696,
71.5810

■ 87.2165, 89.1050,
91.5792

95.0497, 99.9998,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.7178, 29.5608, 22.0542



45.9812, 29.5608, 7.1532



34.9708, 29.5608, 2.6584

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.9812, 29.5608, 7.1532



13.0380, 29.5608, 17.1559



32.2806, 29.5608, 127.7947

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.9812, 29.5608, 7.1532



44.8061, 58.2274, 103.4845

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.1881, 29.5608, 123.2562



45.9812, 29.5608, 7.1532



12.6583, 29.5608, 45.0264

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.9812, 29.5608, 7.1532



16.7895, 29.5608, 5.4696



15.5800, 29.5608, 87.2414



43.5968, 29.5608, 97.3370

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.9812, 29.5608, 7.1532



27.5846, 29.5608, 2.1354



15.5800, 29.5608, 87.2414



28.6150, 29.5608, 130.6473

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.9819, 29.5625, 7.1537



73.6324, 70.0388, 62.0717



55.4495, 29.2849, 69.5406



15.1622, 14.1439, 12.0103



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.9819, 29.5625, 7.1537



43.0802, 24.7678, 3.0759



60.8938, 59.3863, 12.1243



18.2840, 18.5362, 18.7585



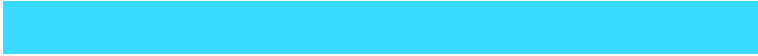
22.1721, 12.3554, 1.2162



2.2286, 1.3425, 0.1417

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



44.8061, 58.2274, 103.4845



41.5097, 53.7732, 102.7992



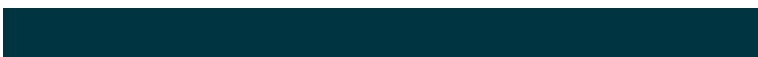
26.4178, 21.4509, 97.3551



18.2493, 19.8701, 23.1234



21.2366, 27.3828, 53.6007



2.1389, 2.8085, 5.2426

Previews

White Background



This preview shows how the XYZ color 45.9812, 29.5608, 7.1532 looks on a white background.

Color Contrast Check

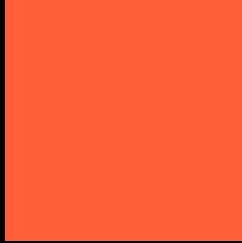
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 45.9812, 29.5608, 7.1532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9812, 29.5608, 7.1532

Background



This preview shows how black text looks on a background with the XYZ color 45.9812, 29.5608, 7.1532.



This preview shows how white text looks on a background with the XYZ color 45.9812, 29.5608,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.9812, 29.5608, 7.1532

Protanopia

27.1023, 29.5534, 10.5793

Deuteranopia

30.2482, 29.6783, 6.6169



Tritanopia

47.0924, 29.5867, 14.2951

Trichromacy



Original Color

45.9812, 29.5608, 7.1532

Protanomaly

31.7582, 27.7139, 8.9857

Deuteranomaly

34.6260, 28.4859, 6.5791

Tritanomaly

46.5901, 29.5235, 11.2257

Monochromacy



Original Color

45.9812, 29.5608, 7.1532

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

28.7759, 24.8470, 17.7473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9812, 29.5608, 7.1532 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 94, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 57)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 94, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 57) }
```

Border

The CSS property to change the border of an element to XYZ 45.9812, 29.5608, 7.1532 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 94, 57) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 94, 57) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 94, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9812, 29.5608, 7.1532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 57) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 94,  
57) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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